

Lab researchers made a breakthrough in magnetic resonance imaging by taking the first image of a human head using an ultra-low-field system. Dispensing with the requirement to generate extremely high magnetic fields, ULF MRI devices possess several advantages, including reduced acquisition and operating costs, the ability to be used on patients with metal implants, and elimination of the confining tube of conventional devices, facilitating their use during image-guided surgeries and biopsies.

First ultra-low-field magnetic resonance images of the human head acquired